



Curved Collection



*LEADING
THE WAY*



Stelrad has been manufacturing high quality, steel radiators since 1936, so it's safe to say we know a thing or two about heating.

Since our beginnings, we've grown into the UK's number one radiator brand, manufacturing and distributing over 2 million radiators and products every year. With an expert research facility in Belgium, we're dedicated to continually developing innovative products and widening our extensive range to enable you to offer your customers the largest selection of technically-advanced radiator styles and sizes in the UK.



CURVES ARE IN

A radiator shouldn't just be functional – it should also add aesthetic appeal to any room. Combining dependable performance with designer styling, our Softline Series offers you the best of both worlds. Compact and with a beautifully curved top grille and end panels, the designer looks of the Softline range give you extra choice and flexibility for domestic and commercial applications.



SOFTLINE COMPACT

RANGE	102
TYPES	K1, P+ or K2
HEIGHTS (MM)	300mm to 700mm
LENGTHS (MM)	400mm to 2000mm
OUTPUTS (WATTS)	255 to 3922
OUTPUTS (BTU/HR)	870 to 13382



SOFTLINE COMPACT

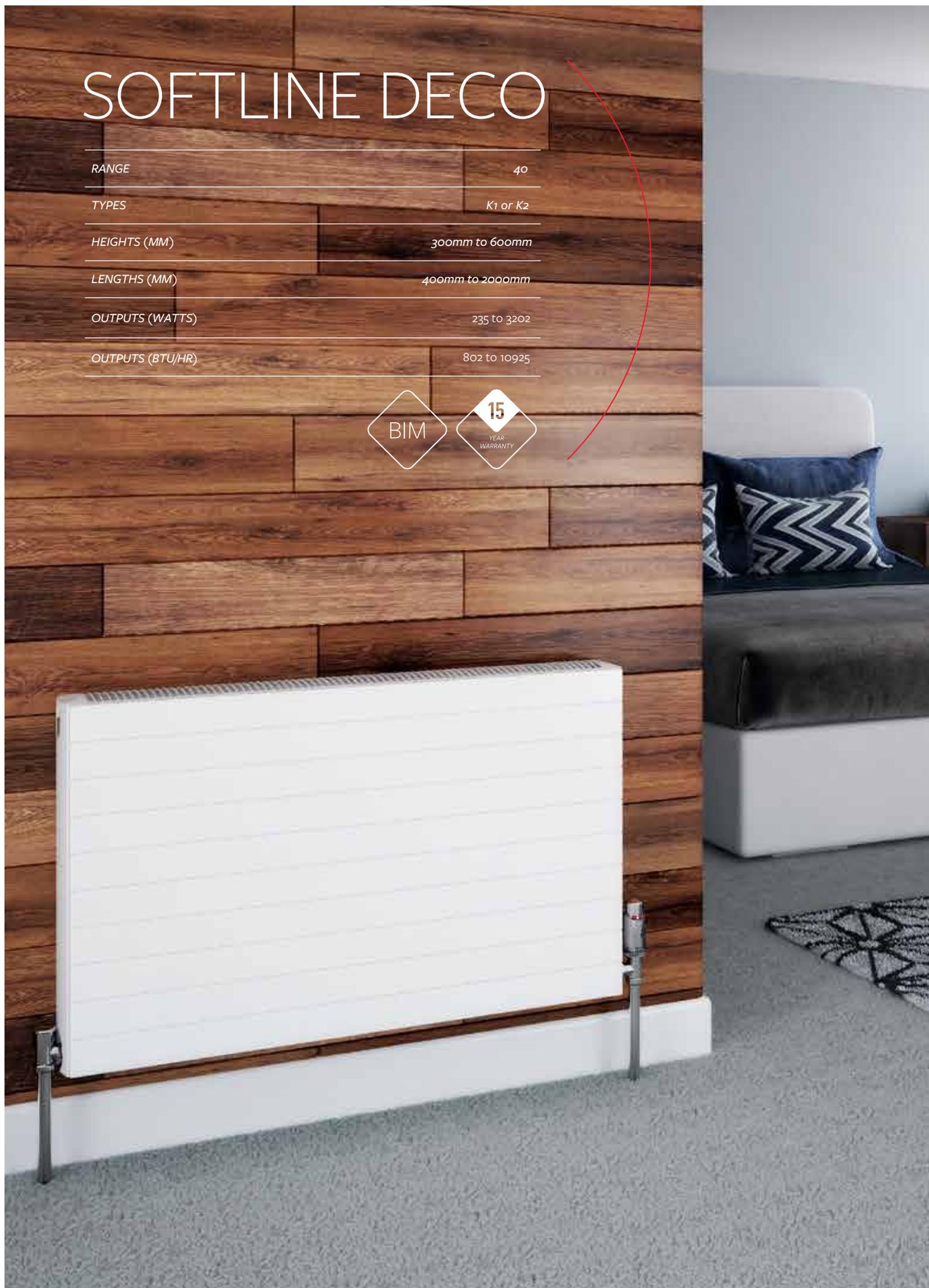
Extraordinary radiator, everyday price.

With smooth curved edges the Stelrad Softline radiator is a stylish addition to any home. Choose from a wide range of sizes and fit a designer radiator from the UK's market leading brand for the price of an ordinary compact.



SOFTLINE DECO

RANGE	40
TYPES	K1 or K2
HEIGHTS (MM)	300mm to 600mm
LENGTHS (MM)	400mm to 2000mm
OUTPUTS (WATTS)	235 to 3202
OUTPUTS (BTU/HR)	802 to 10925



SOFTLINE DECO

Elegant curves, sleek lines.

The Softline Deco is the epitome of minimalist, contemporary design. With a premium exterior look and Stelrad manufacturing quality inside, it's a clear choice for the interior-conscious homeowner.



SOFTLINE PLAN

RANGE 40

TYPES K1 or K2

HEIGHTS (MM) 300mm to 600mm

LENGTHS (MM) 400mm to 2000mm

OUTPUTS (WATTS) 235 to 3202

OUTPUTS (BTU/HR) 802 to 11150



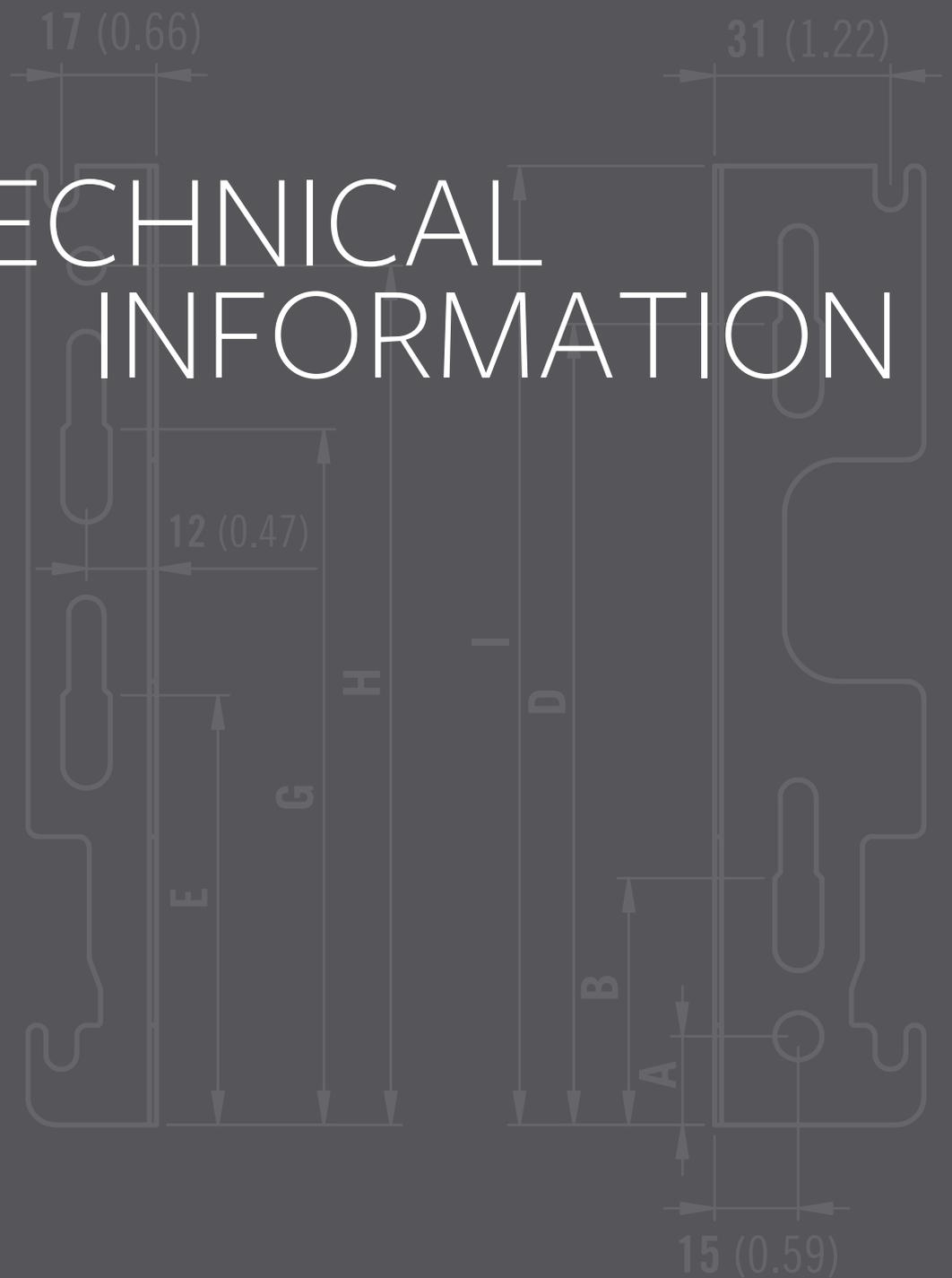
SOFTLINE PLAN

Simple and understated design.

The minimalistic, stylish design of a Softline Plan has an understated, flat finish which is simplicity at its best. It's the ultimate in minimalism for radiators as the slim profile of the Softline Plan is an attractive addition to any space.



TECHNICAL INFORMATION



Extra performance to guaranteed standards

Stelrad combine the most sophisticated production resources in Europe with substantial investment in testing and verification of performance data - which has helped us create high output radiators delivering heating performance that exceeds expectation.

More choice for application flexibility

A range of models provide extra sizing flexibility and covers a multitude of application requirements, including those where there are installation difficulties or where wall space is at a premium.

Superb quality from design to installation

Our radiators are specifically designed to minimise any movement, providing a tight, professional fit, that will remain in place, even after storage, transit and installation. Convectors are precision welded directly onto the waterways for greater efficiency and economy, with flexible connection options for the highest of commercial and domestic application specifications.

Stelrad radiators are manufactured under ISO 9001 quality systems in the UK and every one comes wrapped in robust, practical packaging that will keep the product pristine, right through to installation. This clever packaging design allows installation to be completed prior to removal.

Temperature table

For systems not operating at Δt_{50} the factors in the table below should be applied. The output of a given radiator can be obtained by multiplying the quoted Δt_{50} output by the operating factor. Conversely, to derive a non Δt_{50} output, divide the heat output required by the relevant operation factor. This ' Δt_{50} equivalent output' can then be used to select a radiator from the standard tables.

°C		°F	
Δt	Operating Factor	Δt	Operating Factor
5	0.050	10	0.057
10	0.123	20	0.142
15	0.209	30	0.240
20	0.304	40	0.348
25	0.406	50	0.466
30	0.515	60	0.590
35	0.629	70	0.721
40	0.748	80	0.858
45	0.872	90	1.000
50	1.000	100	1.147
55	1.132	110	1.298
60	1.267	120	1.454
65	1.406	130	1.613
70	1.549	150	1.776
75	1.694	-	-

Example: Exact output at $\Delta t_{50} = 2000$ Btu/hr
 Output at $\Delta t_{30} = 2000 \times 0.515 = 1030$ Btu/hr

Testing and operating pressures

All models are high pressure tested to withstand 152.3 psi (10.5 bar). Strictly controlled independent laboratory testing ensures that all Stelrad radiators are guaranteed to perform to a maximum working pressure of 116 psi (8 bar) at a maximum temperature of 95°C. All conform to BS EN 442 - the European Standard for radiators.

Connections

Each radiator has 4 x 1/2" connections as standard. A 3/4" valve adaptor is also available, providing a 3/4" connector option to the valve without reducing performance.

Applications

Stelrad radiators are suitable for two pipe installations. For single pipe applications, it is advisable to use diversion tees in the pipework, as this will assist in obtaining design performance from the radiators. Although our radiators are suitable for Microbore pipework, the back tappings make them unsuitable for twin entry valves.

Installation

Everything required for installation can be found within each radiator's packaging. Brackets are of a strong design, with open top and deep slots, which facilitate easy and secure installation. Plastic inserts seat the radiator precisely on the bracket minimising expansion and contraction noise.

The neat nickel-plated plug and vent provide a watertight joint, whilst complementing the superior finish.

To facilitate easy one off replacement, nickel-plated brass extension pieces are also available, complete with sealing washer, in 20mm, 30mm and 40mm options. Recommended height from the floor to the base of the radiator is 150mm minimum. This allows adequate airflow when the radiator is placed on the bracket.

Caution

When designing for domestic systems we recommend that the Stelrad radiators are only used in heating systems complying with British Standard Code of Practice for Central Heating for Domestic Premises BS EN 12828:2003 and BS EN 12831:2003.

Single feed, direct cylinders are not recommended as should interchange of water occur, fresh aerated water would enter the heating system, resulting in corrosion.

Water treatment

On completion of the installation, the system should be properly flushed and filled in accordance with the British Standard Code of Practice BS 7593:2006 for the Treatment of Water in Domestic Hot Water Central Heating Systems, Part L of Building Regulations and Good Practice Guidance for Scotland.

After installation of a new Stelrad radiator the central heating system should be cleaned and flushed with cleaner to remove existing contaminants, flux residue and other installation debris which, if left, can cause damage to the new radiator. Afterwards, treat the system with an inhibitor to ensure long term protection against corrosion and limescale.

A comprehensive range of quality chemicals including inhibitors, cleaners, leak sealers and noise reducers that protect and maintain central heating systems can be obtained from:

Sentinel Performance Solutions Ltd
The Heath Business & Technical Park, Runcorn,
Cheshire WA7 4QX
Tel: 01928 588 330 (UK)
www.sentinel-solutions.net

Fernox - Cookson Electronics,
Forsyth Road, Sheerwater, Woking,
Surrey GU21 5RZ
www.fernox.com

Two coat paint process

Each Stelrad radiator is subjected to a multi stage cleaning process before the paint is applied. This involves several rinsing stages, including an iron phosphate and demineralisation rinse. The first coat of paint is applied by electrophoresis and the radiator is then stoved and cooled. The second powder coat in warm white (RAL 9016) is applied and the radiator goes through a final curing stage. It is then allowed to cool, prior to packaging.



K1

P+

K2

50 Δt (75/65/20°C) 



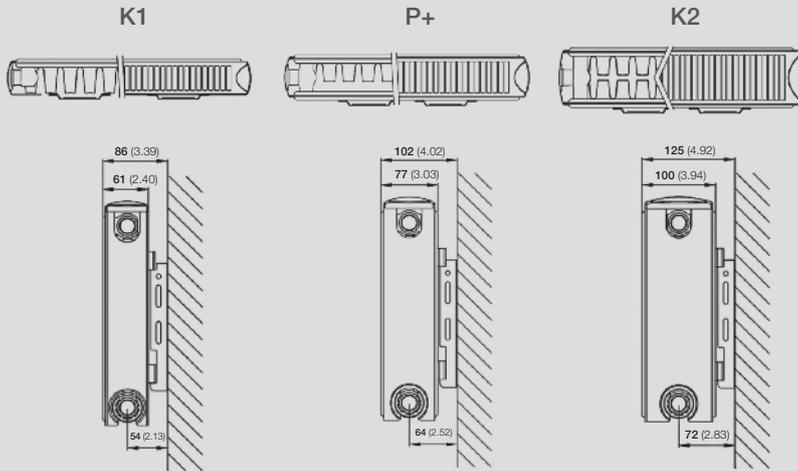
Height mm	Length mm	Stelrad UIN	Heat output		List Price Excl.VAT	List Price Incl.VAT	Length mm	Stelrad UIN	Heat output		List Price Excl.VAT	List Price Incl.VAT	Length mm	Stelrad UIN	Heat output		List Price Excl.VAT	List Price Incl.VAT
			Btu/Hr	Watt					Btu/Hr	Watt					Btu/Hr	Watt		
300	500	80301105	870	255	£28.41	£34.09							500	80302205	1676	491	£41.26	£49.51
	1000	80301110	1737	509	£50.69	£60.83							1000	80302210	3352	982	£74.21	£89.05
	1500	80301115	2608	764	£76.16	£91.39							1500	80302215	5027	1473	£111.37	£133.64
	2000	80301120	3474	1018	£97.91	£117.49							2000	80302220	6703	1964	£148.56	£178.27
450	400	80451104	1031	302	£27.65	£33.18							400	80452204	1870	548	£38.00	£45.60
	500	80451105	1290	378	£30.81	£36.97							500	80452205	2341	686	£46.07	£55.28
	600	80451106	1550	454	£34.74	£41.69							600	80452206	2809	823	£54.59	£65.51
	700	80451107	1805	529	£38.30	£45.96							700	80452207	3276	960	£63.29	£75.95
	800	80451108	2065	605	£41.34	£49.61							800	80452208	3744	1097	£71.36	£85.63
	900	80451109	2321	680	£45.12	£54.14							900	80452209	4212	1234	£80.29	£96.35
	1000	80451110	2580	756	£50.16	£60.19	1000	80452110	3601	1055	£73.12	£87.74	1000	80452210	4679	1371	£89.26	£107.11
	1100	80451111	2840	832	£55.22	£66.26	1100	80452111	3962	1161	£80.45	£96.54	1100	80452211	5147	1508	£98.20	£117.84
	1200	80451112	3096	907	£60.24	£72.29	1200	80452112	4321	1266	£87.77	£105.32	1200	80452212	5614	1645	£107.13	£128.56
	1400	80451114	3611	1058	£70.32	£84.38	1400	80452114	5041	1477	£102.41	£122.89	1400	80452214	6550	1919	£125.04	£150.05
600	1600	80451116	4130	1210	£80.42	£96.50	1600	80452116	5761	1688	£117.05	£140.46	1600	80452216	7488	2194	£142.97	£171.56
	1800	80451118	4645	1361	£90.50	£108.60							1800	80452218	8423	2468	£160.87	£193.04
	2000	80451120	5160	1512	£100.58	£120.70							2000	80452220	9358	2742	£178.75	£214.50
	400	80601104	1338	392	£31.86	£38.23	400	80602104	1836	538	£42.86	£51.43	400	80602204	2365	693	£47.25	£56.70
	500	80601105	1672	490	£36.51	£43.81	500	80602105	2297	673	£51.27	£61.52	500	80602205	2956	866	£57.28	£68.74
	600	80601106	2007	588	£40.92	£49.10	600	80602106	2754	807	£58.93	£70.72	600	80602206	3546	1039	£67.91	£81.49
	700	80601107	2341	686	£46.17	£55.40	700	80602107	3215	942	£66.86	£80.23	700	80602207	4137	1212	£78.74	£94.49
	800	80601108	2676	784	£51.31	£61.57	800	80602108	3672	1076	£76.73	£92.08	800	80602208	4730	1386	£89.46	£107.35
	900	80601109	3010	882	£58.04	£69.65	900	80602109	4133	1211	£86.47	£103.76	900	80602209	5321	1559	£100.01	£120.01
	1000	80601110	3345	980	£64.78	£77.74	1000	80602110	4590	1345	£96.20	£115.44	1000	80602210	5911	1732	£112.65	£135.18
700	1100	80601111	3679	1078	£71.56	£85.87	1100	80602111	5051	1480	£104.83	£125.80	1100	80602211	6502	1905	£122.31	£146.77
	1200	80601112	4014	1176	£78.31	£93.97	1200	80602112	5509	1614	£115.70	£138.84	1200	80602212	7092	2078	£135.86	£163.03
	1400	80601114	4683	1372	£92.74	£111.29	1400	80602114	6427	1883	£133.46	£160.15	1400	80602214	8277	2425	£159.15	£190.98
	1600	80601116	5352	1568	£101.84	£122.21	1600	80602116	7345	2152	£152.57	£183.08	1600	80602216	9457	2771	£178.09	£213.71
	1800	80601118	6021	1764	£114.60	£137.52							1800	80602218	10642	3118	£200.41	£240.49
	2000	80601120	6689	1960	£127.39	£152.87							2000	80602220	11823	3464	£221.07	£265.28
	400	80701104	1526	447	£38.50	£46.20							400	80702204	2676	784	£54.37	£65.24
	500	80701105	1908	559	£43.30	£51.96							500	80702205	3348	981	£65.97	£79.16
	600	80701106	2287	670	£48.59	£58.31							600	80702206	4017	1177	£78.22	£93.86
	700	80701107	2669	782	£54.39	£65.27							700	80702207	4686	1373	£90.75	£108.90
800	80701108	3051	894	£59.67	£71.60							800	80702208	5355	1569	£102.39	£122.87	
900	80701109	3430	1005	£67.12	£80.54							900	80702209	6024	1765	£115.25	£138.30	
1000	80701110	3812	1117	£74.64	£89.57							1000	80702210	6693	1961	£128.09	£153.71	
1100	80701111	4195	1229	£82.15	£98.58							1100	80702211	7362	2157	£140.93	£169.12	
1200	80701112	4573	1340	£89.62	£107.54							1200	80702212	8031	2353	£153.79	£184.55	
1400	80701114	5338	1564	£104.63	£125.56							1400	80702214	9369	2745	£179.48	£215.38	
1600	80701116	6099	1787	£119.61	£143.53							1600	80702216	10710	3138	£205.21	£246.25	
1800	80701118	6864	2011	£134.66	£161.59							1800	80702218	12048	3530	£230.91	£277.09	
2000	80701120	7625	2234	£149.62	£179.54							2000	80702220	13386	3922	£256.59	£307.91	

$\Delta t50$ is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider $\Delta t40$ or $\Delta t30$ output (see your installer or system designer).

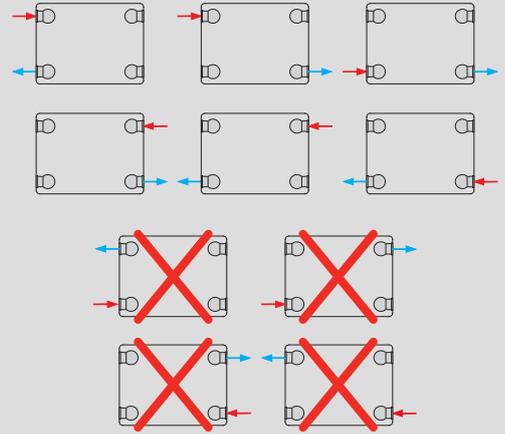
SOFTLINE COMPACT

WALL MOUNTING INFORMATION

All dimensions in mm. Inches in brackets.
Floor mounting brackets available.

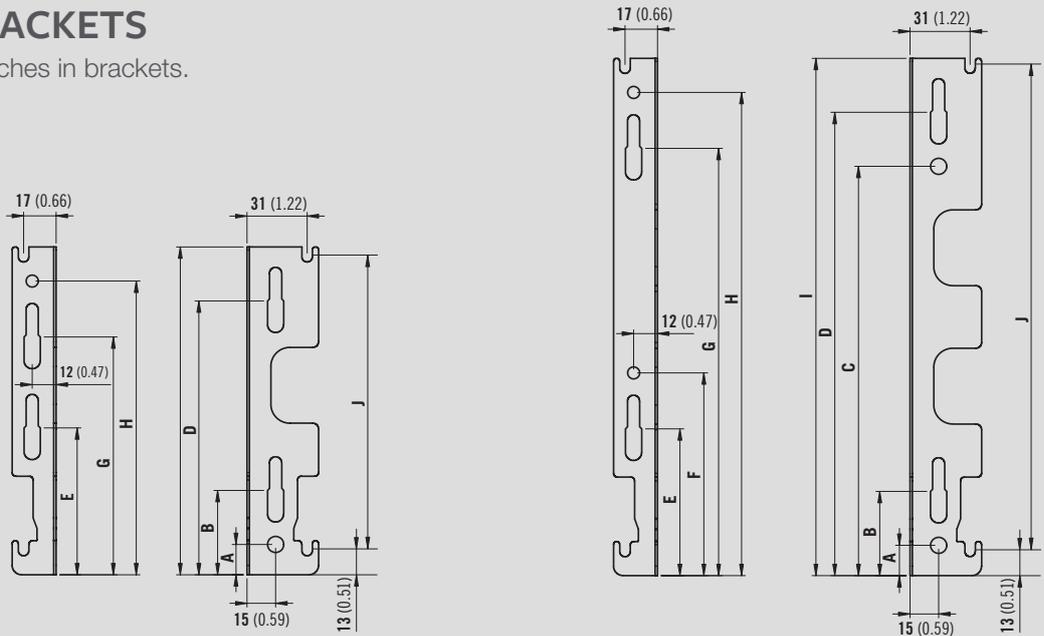


PIPING OPTIONS



MOUNTING BRACKETS

All dimensions in mm. Inches in brackets.

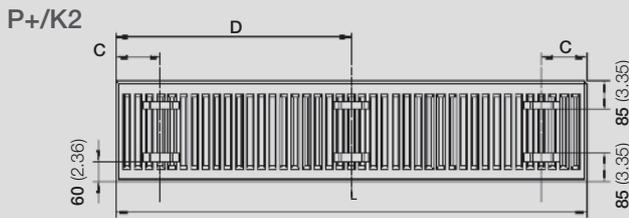
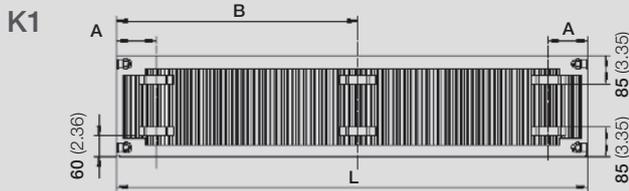


Height	mm	in	mm	in	mm	in	mm	in
	300	11.81	450	17.72	600	23.62	700	27.56
A	16	0.63	16	0.63	16	0.63	16	0.63
B	44	1.73	44	1.73	44	1.73	44	1.73
C	-	-	266	10.47	416	16.38	516	20.31
D	144	5.67	294	11.57	444	17.48	544	21.42
E	77	3.03	77	3.03	77	3.03	77	3.03
F	-	-	107	4.21	107	4.21	107	4.21
G	125	4.92	275	10.83	425	16.73	525	20.67
H	155	6.10	305	12.01	455	17.91	555	21.85
I	173	6.81	323	12.72	473	18.62	573	22.56
J	155	6.10	305	12.01	455	17.91	555	21.85

SOFTLINE COMPACT

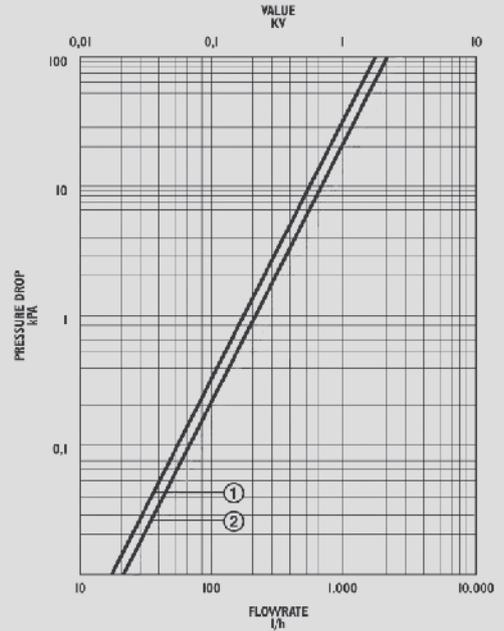
K1, P+ AND K2 LUG POSITIONS

All dimensions in mm. Inches in brackets.



L	K1				TYPE P+/K2			
	A	B	C	D	C	D	C	D
	mm	in	mm	in	mm	in	mm	in
400	117	-	-	-	133	-	-	-
500 - 1100	150	-	-	-	133	-	-	-
1200 - 1600	283	-	-	-	267	-	-	-
1800 - 2000	283	-	(L/2) + 17	-	267	-	(L/2)	-

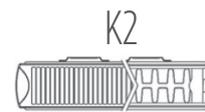
PRESSURE DROPS



EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	K1				P+			K2		
	300	450	600	700	450	600	300	450	600	700
Height	300	450	600	700	450	600	300	450	600	700
W/m at 75/65/20	509	756	980	1117	1055	1345	982	1371	1732	1961
n-coefficients	1.32	1.31	1.29	1.29	1.33	1.34	1.33	1.33	1.33	1.34
Heated Surface Area (m ² /m)	2.09	3.37	4.66	5.51	3.84	5.24	3.51	5.62	7.74	9.15
Weight (kg/m)	9.31	14.51	19.70	22.90	22.04	29.80	16.80	25.90	35.00	40.53
Water Contents (l/m)	1.89	2.57	3.25	3.77	5.15	6.60	3.70	5.15	6.60	7.63
Wall to tap centre (mm)	54	54	54	64	64	64	64	72	72	72

See page 19 for installation instructions



Height mm	Length mm	Stelrad UIN	Heat output		List Price Excl.VAT	List Price Incl.VAT
			Btu/Hr	Watt		
300	500	84301105	802	235	£41.30	£49.56
	1000	84301110	1604	470	£67.38	£80.86
	1500	84301115	2405	705	£95.85	£115.02
450	400	84451104	928	272	£42.16	£50.59
	600	84451106	1396	409	£49.19	£59.03
	800	84451108	1860	545	£65.58	£78.70
	1000	84451110	2324	681	£81.97	£98.36
	1200	84451112	2788	817	£98.36	£118.03
	1400	84451114	3252	953	£114.77	£137.73
	1600	84451116	3719	1090	£131.16	£157.39
600	1800	84451118	4183	1226	£160.20	£192.24
	400	84601104	1187	348	£45.98	£55.17
	600	84601106	1781	522	£53.66	£64.39
	800	84601108	2375	696	£71.54	£85.85
	1000	84601110	2968	870	£89.42	£107.30
	1200	84601112	3562	1044	£107.30	£128.76
	1400	84601114	4156	1218	£125.20	£150.24
	1600	84601116	4750	1392	£143.08	£171.70
	1800	84601118	5343	1566	£174.76	£209.71
	2000	84601120	5937	1740	£179.25	£215.11

Length mm	Stelrad UIN	Heat output		List Price Excl.VAT	List Price Incl.VAT
		Btu/Hr	Watt		
500	84302205	1532	449	£61.55	£73.87
1000	84302210	3064	898	£107.11	£128.54
1500	84302215	4596	1347	£164.56	£197.48
400	84452204	1737	509	£66.99	£80.39
600	84452206	2607	764	£86.12	£103.35
800	84452208	3473	1018	£99.51	£119.41
1000	84452210	4343	1273	£114.82	£137.79
1200	84452212	5214	1528	£137.80	£165.36
1400	84452214	6080	1782	£177.50	£213.00
1600	84452216	6950	2037	£202.86	£243.43
1800	84452218	7817	2291	£228.24	£273.88
400	84602204	2184	640	£73.08	£87.70
600	84602206	3279	961	£93.94	£112.73
800	84602208	4371	1281	£108.58	£130.29
1000	84602210	5463	1601	£125.28	£150.34
1200	84602212	6554	1921	£150.32	£180.38
1400	84602214	7646	2241	£193.66	£232.39
1600	84602216	8742	2562	£221.31	£265.57
1800	84602218	9833	2882	£248.96	£298.76
2000	84602220	10925	3202	£381.04	£457.25

$\Delta t50$ is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider $\Delta t40$ or $\Delta t30$ output (see your installer or system designer).

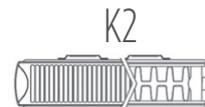
EN 442 Certification Data – CETIAT tested in accordance with BS EN 442

Type	K1			K2		
	300	450	600	300	450	600
Height	300	450	600	300	450	600
W/m at 75/65/20	470	681	870	898	1273	1601
n-coefficients	1.26	1.27	1.28	1.30	1.30	1.31
Heated Surface Area (m ² /m)	2.09	3.37	4.66	3.51	5.62	7.74
Weight (kg/m)	14.13	18.22	24.27	19.30	28.85	38.40
Water Contents (l/m)	1.81	2.53	3.23	3.10	4.65	6.20
Wall to tap centre (mm)	54	54	54	76	76	76

See page 19 for installation instructions



Height mm	Length mm	Stelrad UIN	Heat output		List Price Excl.VAT	List Price Incl.VAT
			Btu/Hr	Watt		
300	500	85301105	802	235	£60.86	£73.03
	1000	85301110	1600	469	£99.30	£119.17
	1500	85301115	2402	704	£141.25	£169.50
450	400	85451104	955	280	£62.13	£74.56
	600	85451106	1436	421	£72.49	£86.99
	800	85451108	1914	561	£96.65	£115.98
	1000	85451110	2392	701	£120.80	£144.96
	1200	85451112	2869	841	£144.95	£173.94
	1400	85451114	3347	981	£169.14	£202.97
	1600	85451116	3828	1122	£193.29	£231.95
600	1800	85451118	4306	1262	£236.09	£283.31
	400	85601104	1242	364	£67.76	£81.31
	600	85601106	1866	547	£79.08	£94.90
	800	85601108	2487	729	£105.43	£126.52
	1000	85601110	3108	911	£131.78	£158.13
	1200	85601112	3729	1093	£158.12	£189.75
	1400	85601114	4350	1275	£184.51	£221.41
	1600	85601116	4975	1458	£210.86	£253.03
	1800	85601118	5596	1640	£257.54	£309.05
2000	85601120	6217	1822	£264.17	£317.00	



Length mm	Stelrad UIN	Heat output		List Price Excl.VAT	List Price Incl.VAT
		Btu/Hr	Watt		
500	85302205	1587	465	£90.71	£108.86
1000	85302210	3170	929	£157.85	£189.43
1500	85302215	4756	1394	£242.52	£291.03
400	85452204	1767	518	£98.73	£118.47
600	85452206	2655	778	£126.92	£152.31
800	85452208	3538	1037	£146.65	£175.97
1000	85452210	4422	1296	£169.22	£203.06
1200	85452212	5306	1555	£203.08	£243.69
1400	85452214	6189	1814	£261.59	£313.91
1600	85452216	7076	2074	£298.95	£358.74
1800	85452218	7960	2333	£336.36	£403.63
400	85602204	2231	654	£107.70	£129.24
600	85602206	3344	980	£138.44	£166.13
800	85602208	4459	1307	£160.01	£192.01
1000	85602210	5575	1634	£184.63	£221.55
1200	85602212	6691	1961	£221.53	£265.83
1400	85602214	7807	2288	£285.39	£342.47
1600	85602216	8919	2614	£326.15	£391.38
1800	85602218	10035	2941	£366.90	£440.28
2000	85602220	11150	3268	£561.54	£673.85

$\Delta t50$ is the UK's industry standard for heating outputs, which has an operating temperature of 75/65/20°C if you have a low temperature heat source you may wish to consider $\Delta t40$ or $\Delta t30$ output (see your installer or system designer).

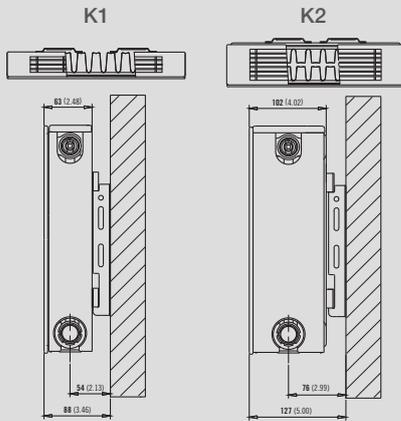
EN 442 Certification Data - CETIAT tested in accordance with BS EN 442

Type	K1			K2		
	300	450	600	300	450	600
Height						
W/m at 75/65/20	469	701	911	929	1296	1634
n-coefficients	1.30	1.28	1.27	1.29	1.30	1.32
Heated Surface Area (m ² /m)	2.09	3.37	4.66	3.51	5.62	7.74
Weight (kg/m)	11.88	18.26	24.65	19.60	29.82	40.00
Water contents (l/m)	1.89	2.49	3.25	3.70	5.05	6.60
Wall to tap centre (mm)	54	54	54	76	76	76

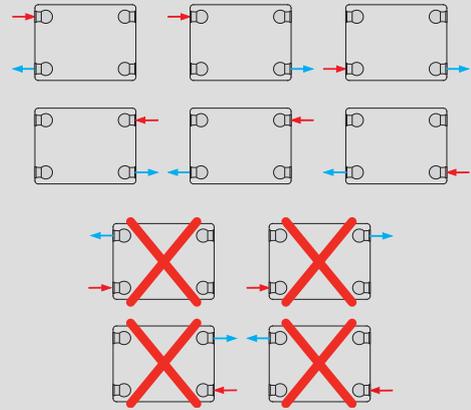
SOFTLINE DECO AND SOFTLINE PLAN

WALL MOUNTING INFORMATION

All dimensions in mm. Inches in brackets.
Floor mounting brackets available.

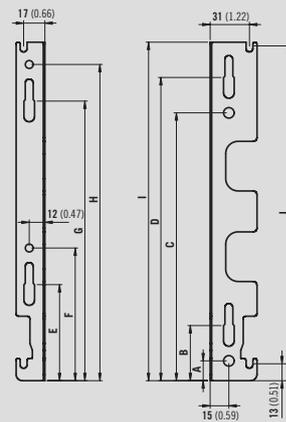
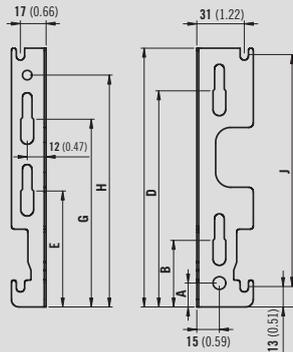


PIPING OPTIONS



MOUNTING BRACKETS

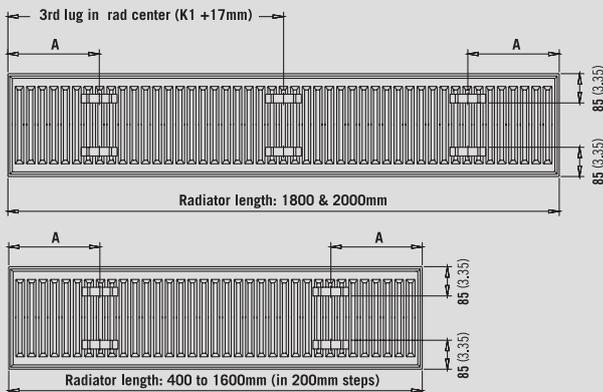
All dimensions in mm.
Inches in brackets.



H450-600-700

K1 AND K2 LUG POSITIONS

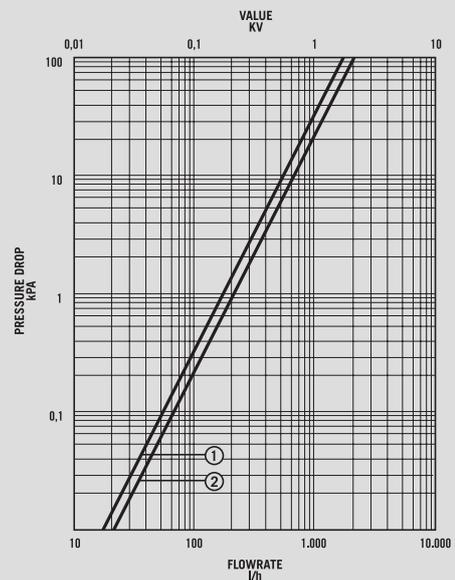
All dimensions in mm. Inches in brackets.



	K1		K2	
Length	mm	in	mm	in
400mm	117	4.61	133	5.24
500 - 1000mm	150	5.91	133	5.24
1200 - 1600mm	283	11.14	267	10.51
1800 - 2000mm	3rd lug in rad. centre*			

*K1 + 17mm

PRESSURE DROPS



- ① Type 10 (P1), 11 (K1)
- ② Type 21 (P+), 22 (K2)



